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Heat-resistant laminate - comprises linear LDPE and resin compsn. contg. ethylenic copolymer contg. alpha-polyolefin
Patent Assignee: KUREHA CHEM IND CO LTD

Patent Family

Patent Number	Kind	Date	Application Number	Kind	Date	Week	Type
JP 61284439	A	19861215	JP 85126446	A	19850611	198704	B
JP 93033144	B	19930518	JP 85126446	A	19850611	199322	

Priority Applications (Number Kind Date): JP 85126446 A (19850611)

Patent Details

Patent	Kind	Language	Page	Main IPC	Filing Notes
JP 61284439	A		9		
JP 93033144	B		8	B32B-027/32	Based on patent JP 61284439

Abstract:
JP 61284439 A

Laminate comprises 100 wt. pts. linear LDPE (crystal m.pt. 110-130 deg. C, density 0.910-0.950) and a resin compsn. contg. 1-100 wt. pts. ethylenic copolymer which contains 8-30 mol.% alpha-olefin. Laminate meets the requirements (A) Density, below 0.85-0.91 (B) X-ray crystallinity, below 60% (C) Crystal m.pt., 115-130 deg. C.

Laminate contains at least one gas barrier layer. L'near LDPE is 'Ultzex', 'Neozex' (RTM Mitsui Petrochemical Co.) or 'Doerex' of (RTM Dow Chemical). Thickness of laminate body is 5-200 microns, and heat-sealing layer is 20-90% of total thickness.

USE/ADVANTAGE - Use as flexible heat-seal packaging. Product has good heat-sealing property, transparency, and easy-opening ability.

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METHOD OF WORKING CYLINDER MADE OF FIBER REINFORCED PLASTICS AND HAVING THIN WALL THICKNESS

Publication Number: 62-009842 (JP 62009842 A) , January 17, 1987

Inventors:
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Applicants

- SUMITOMO ELECTRIC IND LTD (A Japanese Company or Corporation), JP (Japan)

Application Number: 60-150994 (JP 85150994) , July 08, 1985

International Class (IPC Edition 4):

- B23Q-003/12

JAPIO Class:

- 25.2 (MACHINE TOOLS--- Cutting & Grinding)

JAPIO Keywords:

- R040 (CHEMISTRY--- Reinforced Plastics)
- R052 (FIBERS--- Carbon Fibers)

Abstract:
PURPOSE: To enable a female cone to be attached closely to a FRP cylinder without any gaps by expanding the diameter of the female cone loosely fitted in the FRP cylinder with a male cone to hold the cylinder.

CONSTITUTION: A ring-like female cone 3 is inserted in the interior of a FRP cylinder 1. Then, a male cone 4 having the outer peripheral tapered surface 4a a corresponding to a center hole 3a of the cone 3 is forced into the center hole 3a of the cone 3. When the male cone 4 is forced into the center hole 3a until the diameter of the female cone 3 is expanded by the radial component acting on the tapered fit portion to attach the female cone 3 closely to the inner surface of the cylinder 1 without any gaps, three of the cylinder 1 and cones 3, 4 constituting a cone bar are integrally fixed to each other by the frictional force between respective contact surfaces. Thereafter, the core bar and the FRP cylinder supported by the core bar are attached to a lathe by utilizing a shank 5 or the like provided on the axial portion of the male cone 4 to work the outer surface of the cylinder 1. (From: *Patent Abstracts of Japan*, Section: M, Section No. 597, Vol. 11, No. 180, Pg. 124, June 10, 1987)

JAPIO

Dialog® File Number 347 Accession Number 2092942

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High vacuum mouldable polyolefin laminate sheet used for packaging - comprises olefinic polymer film laminated to olefinic polymer main layer
Patent Assignee: SHOWA DENKO KK

Patent Family

Patent Number	Kind	Date	Application Number	Kind	Date	Week	Type
JP 62169642	A	19870725	JP 869833	A	19860122	198735	B

Priority Applications (Number Kind Date): JP 869833 A (19860122)

Patent Details

Patent	Kind	Language	Page	Main IPC	Filing Notes
JP 62169642	A		6		

Abstract:
JP 62169642 A

The olefinic polymer film (2) has a melt-flow rate of 0.01-1.0 g/10 min., and is oriented to a draw ratio of 1.05-2.0. The olefinic polymer of the base layer (1) has a melt flow of 1.0-100 g/10 min..

USE/ADVANTAGE - For trays for meat, vegetables, cups for puddings, etc. cases for cakes, containers, coverings, motor-car interiors, home electric appliance parts or cases, etc. The sheet has a high vacuum moulding performance, and gives mouldings with high stiffness. (1) and (2) are pref. propylene homopolymer, ethylene-propylene random copolymers, 4-6C alpha-olefin homopolymers, etc..

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Polyolefin laminated film for adhesive tape, etc. - comprises biaxially oriented layer of compsn. contg. polyethylene-polypropylene copolymer and petroleum resin, and monoaxially oriented layer

Patent Assignee: TORAY IND INC

Patent Family

Patent Number	Kind	Date	Application Number	Kind	Date	Week	Type
JP 62176843	A	19870803	JP 8616890	A	19860131	198736	B

Priority Applications (Number Kind Date): JP 8617890 A (19860131); JP 8616890 A (19860131)

Patent Details

Patent	Kind	Language	Page	Main IPC	Filing Notes
JP 62176843	A		9		

Abstract:
JP 62176843 A

Film comprises (A) a bioriented layer consisting of a compsn. comprising 10-30 wt.% petroleum resin and 70-90 wt.% copolymer contg. ethylene and propylene in amts. 0.5-50 wt.% and 20-89.5 wt.% respectively of the sum of the petroleum resin and polyolefin, and (B) a layer monoaxially-oriented laterally and consisting a compsn. comprising 0-20 wt.% petroleum resin and 80-100 pts.wt. polyolefine. The propylene component of (B) is at least 5 wt.% more than that in the (A). The ratio of birefringence indexes (delta nB/nA) of the (B) to (A) i 2-35.

The petroleum resin is a terpene, e.g. a (co)polymer of cyclopentadiene, styrene, methylstyrene, vinyltoluene, indene, methylindene, butadiene, isoprene, or their mixts.. The polyolefin has principle components of ethylene and propylene, and may contain other components, e.g., butene, pentene, hexene or 4-methylpentene.

USE/ADVANTAGE - The laminated film is,e.g. useful as pressure-sensitive adhesive tape, or for wrapping, and good impact resistance, water-vapur barrier properties, and can be easily torn straight with the hands.

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Pin-hole resistant bag-in-box film - comprises compsn. contg. linear low density polyethylene and hydrogenated deriv. of block copolymer
Patent Assignee: MITSUBISHI PETROCHEMICAL CO LTD

Patent Family

Patent Number	Kind	Date	Application Number	Kind	Date	Week	Type
JP 62179543	A	19870806	JP 8621797	A	19860203	198737	B
JP 93064657	B	19930916	JP 8621797	A	19860203	199340	

Priority Applications (Number Kind Date): JP 8621797 A (19860203)

Patent Details

Patent	Kind	Language	Page	Main IPC	Filing Notes
JP 62179543	A		4		
JP 93064657	B		4	C08L-023/08	Based on patent JP 62179543

Abstract:
JP 62179543 A

Bag-in-box film, consists of a compsn. consisting of 70-95 wt.% of linear low density polyethylene and 30-5 wt.% of a hydrogenated deriv. of a block copolymer of general formula A(B-A)n (where, A = monovinyl substd. aromatic hydrocarbon polymer block; B = conjugated diene elastomer type polymer block; n = integer of 1-5.

The linear low density polyethylene is an ethylene-alpha-olefin copolymer contg. 1-20 wt.% of alpha-olefin, e.g. propylene, butene-1, hexene-1, 4-methyl pentene-1, octene-1, etc.. As the monovinyl substd. aromatic hydrocarbon of polymer block (A), styrene is pref. used and the conjugated diene monomer (B) is pref. butadiene or isoprene.

USE/ADVANTAGE - The bag-in-box film is used as the inner bag of a bag-in-box to transport liquid, because it has good pinhole resistance and good heat resistance.

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Back sheet for disposable diaper - comprises biaxially stretched polyolefin based sheet
Patent Assignee: TOKUYAMA SODA KK

Patent Family

Patent Number	Kind	Date	Application Number	Kind	Date	Week	Type
JP 62282003	A	19871207	JP 86123265	A	19860530	198803	B
JP 92055072	B	19920902	JP 86123265	A	19860530	199239	

Priority Applications (Number Kind Date): JP 86123265 A (19860530)

Patent Details

Patent	Kind	Language	Page	Main IPC	Filing Notes
JP 62282003	A		13		
JP 92055072	B		8	A61F-013/15	Based on patent JP 62282003

Abstract:
JP 62282003 A

Back sheet comprises biaxially stretched polyolefin sheet having gas permeability of 500-5000 sec/100cc, humidity permeability of 1000-6000 g/m2 24 hrs., tensile strength of 50-400 kg/cm2, tear strength of 50-250g, flexibility of 29-60mm and thickness of 20-80 microns.

Compsn. comprising 100 pts.wt. polyolefin resin, 50-400 pts.wt. filler and 0.1-10 pts.wt. silicone oil and/or polyglycerine fatty acid ester type surfactant is moulded into sheet and then the sheet is biaxially stretched in 1.1-2.5 times length.

The sheet is porous and has improved gas and humidity permeability, tensile and tear strength and flexibility.

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